United States Patent [19]

Takeda

[11] **Patent Number: 5,041,819**

[45] **Date of Patent: Aug. 20, 1991**

[54] **DATA PROCESSING DEVICE**

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[21] Appl. No.: **424,345**

[22] Filed: **Oct. 18, 1989**

[30] **Foreign Application Priority Data**

Oct. 19, 1988 [JP] Japan 63-263594

[51] **Int. Cl.**[5] **A09G 3/02**

[52] **U.S. Cl.** **340/709;** 340/711; 340/706; 400/477

[58] **Field of Search** 340/711, 709, 112, 706; 400/477, 479, 485, 472; 341/23, 22

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,575,591	3/1986	Lugaresi	340/709
4,633,227	12/1986	Menn	340/711
4,680,577	7/1987	Straayer et al.	340/709
4,803,474	2/1989	Kulp	340/711

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[57] **ABSTRACT**

In a data processing device having a display and a keyboard, a cursor on the display is moved with each of input keys on the keyboard in a predetermined processing mode designated by a mode change key. There are two ways for determining the directions to which the cursor is moved. One is that the directions is determined in accordance with a positinal relationship between two keys successively operated. The other is that the directions is determined in accordance with a positional relationship between the operated key and a reference key determined in advance. Thus, each of keys for respectively inputting codes are utilized as cursor movement keys.

20 Claims, 11 Drawing Sheets